

Md. Shizan Sarkar

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LinkedIn | GitHub | Portfolio

Career Objective

Computer Science and Engineering student specializing in Software Engineering, with experience in full-stack development using Next.js, NestJS, PostgreSQL, REST APIs, and modern web technologies. Research experience in deep learning and computer vision, with a strong foundation in software engineering. Seeking opportunities in Software Engineering or AI-focused development opportunities.

Educational Background

Bachelor of Science in Computer Science and Engineering

June 2023 – Present

American International University-Bangladesh (AIUB), Dhaka, Bangladesh

Major: Software Engineering | Minor: Information Systems

CGPA: 3.92 / 4.00 | Expected Graduation: February 2027

Technical Skills

Programming Languages:	TypeScript, JavaScript, Java, C++, C#
Frontend Development:	React.js, Next.js, HTML5, CSS3, Tailwind CSS, DaisyUI, Responsive Web Design, Component-Based UI Development
Backend Development:	Node.js, NestJS, ASP.NET Core MVC, .NET, RESTful APIs, Authentication & Authorization
Databases:	PostgreSQL, SQL Server, MySQL, SQL
Software Testing & Quality Assurance:	Manual Testing, Test Case Design & Execution, Functional Testing, Regression Testing, API Testing, Software Testing Life Cycle (STLC)
Development Tools & Platforms:	Git, GitHub, Postman, Swagger, VS Code, Visual Studio, pgAdmin, SQL Server Management Studio, Figma, Vercel
Core Concepts:	Object-Oriented Programming (OOP), Data Structures & Algorithms, SDLC, 3-Tier Architecture, Software Design Principles
AI & Research:	Machine Learning, Deep Learning, Computer Vision, R Programming, Data Analysis, Model Training & Evaluation, Research Methodology, Academic Research Writing

Selected Projects

FindBack	Next.js, TypeScript, Tailwind CSS
- Developed a responsive lost-and-found platform with authentication, item reporting, image uploads, and filtering. - Source: github.com/Sarkar-Shizan/FindBack	
WorkConnect	Next.js, NestJS, TypeScript, PostgreSQL
- Built a service marketplace connecting customers with home and business service providers. - Source: github.com/Sarkar-Shizan/WorkConnect	
HNMS – Health Navigation Management System	HTML, CSS, JavaScript, PHP
- Developed a healthcare platform for appointments, hospitals, pharmacies, diagnostics, and administration. - Source: github.com/Sarkar-Shizan/HNMS	

Publications

- TrustworthyDR-Net: A Leakage-Aware and Explainable Deep Learning Framework for Reliable Diabetic Retinopathy Severity Grading (ICDMIS 2026)**
- HazBin: IoT-Based Smart Bin for Safe and Sustainable Waste Management (PECCII 2026)**

Certifications

- The Complete Full-Stack Web Development Bootcamp** – Udemy, Dr. Angela Yu, 2026
- Certificate of Presentation – PECCII 2026** – Pabna University of Science and Technology, 2026
- IT Essentials: PC Hardware and Software** – Cisco Networking Academy, 2023

Achievements

- Dean's List Honors**, American International University-Bangladesh – achieved across 5 semesters with SGPA range of 3.90–4.00.
- Academic Scholarship**, American International University-Bangladesh – awarded for academic excellence.